



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Corisis et. al.

**Serial No.:** 10/646,420

**Filed:** August 22, 2003

**For:** METHODS FOR DESIGNING BOND  
PAD REROUTING ELEMENTS FOR USE  
IN STACKED SEMICONDUCTOR  
DEVICE ASSEMBLIES AND FOR  
ASSEMBLING SEMICONDUCTOR  
DEVICES

**Confirmation No.:** Unknown

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 2269-4814.1US  
(01-0040.01/US)

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

February 11, 2004  
Date

Signature

Deidra Pfeil  
Name (Type/Print)

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 4,341,594	07/27/1982	Carlson et al.
US - 4,948,754	08/14/1990	Kondo et al.
US - 5,506,756	04/09/1996	Haley
US - 5,554,887	09/10/1996	Sawai et al.
US - 5,672,912	09/30/1997	Aoki et al.
US - 5,677,576	10/14/1997	Akagawa
US - 5,683,942	11/04/1997	Kata et al.
US - 5,814,894	09/29/1998	Igarashi et al.
US - 5,834,844	11/10/1998	Akagawa et al.
US - 5,844,304	12/01/1998	Kata et al.
US - 5,851,911	12/22/1998	Farnworth
US - 5,886,415	03/23/1999	Akagawa
US - 5,925,931	07/20/1999	Yamamoto
US - 5,971,253	10/26/1999	Gilleo et al.
US - 5,977,641	11/02/1999	Takahashi et al.
US - 6,043,109	03/28/2000	Yang et al.
US - 6,072,236	06/06/2000	Akram et al.
US - 6,117,539	09/12/2000	Crotzer et al.
US - 6,181,569 B1	01/30/2001	Chakravorty
US - 6,228,687 B1	05/08/2001	Akram et al.
US - 6,255,737 B1	07/03/2001	Hashimoto

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US - 6,294,407 B1	09/25/2001	Jacobs
US - 2003/0038378 A1	02/27/2003	Jacobs
US - 6,590,292 B1	07/08/2003	Barber et al.

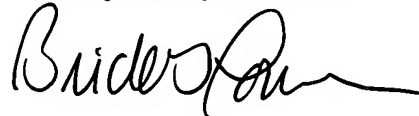
Other Documents

VARDAMAN, Jan, "What Does a CSP Cost?," Advanced Packaging's Guide to Emerging Technologies, July/Aug. 1997.

Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits.

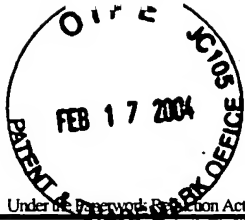
Respectfully submitted,



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Date: February 11, 2004  
BGP/dlm:djp  
Enclosures: Form PTO-1449 or PTO/SB/08  
Copy of documents cited

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PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/646,420
Filing Date	August 22, 2003
First Named Inventor	Corisis et. al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	2269-4814.1US (01-0040.01/US)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-4,341,594	07/27/1982	Carlson et al.	
		US- 4,948,754	08/14/1990	Kondo et al.	
		US- 5,506,756	04/09/1996	Haley	
		US- 5,554,887	09/10/1996	Sawai et al.	
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		US- 5,683,942	11/04/1997	Kata et al.	
		US- 5,814,894	09/29/1998	Igarashi et al.	
		US- 5,834,844	11/10/1998	Akagawa et al.	
		US- 5,844,304	12/01/1998	Kata et al.	
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		US- 5,971,253	10/26/1999	Gilleo et al.	
		US- 5,977,641	11/02/1999	Takahashi et al.	
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		US- 6,072,236	06/06/2000	Akram et al.	
		US- 6,117,539	09/12/2000	Crotzer et al.	
		US- 6,181,569 B1	01/30/2001	Chakravorty	
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		US- 6,255,737 B1	07/03/2001	Hashimoto	
		US- 6,294,407 B1	09/25/2001	Jacobs	
		US- 2003/0038378 A1	02/27/2003	Jacobs	
		US-6590,292 B1	07/08/2003	Barber et al.	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 2

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Examiner Name	Unknown
Attorney Docket Number	2269-4814 1US (01-0040.01/US)

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		VARDAMAN, Jan, "What Does a CSP Cost?," Advanced Packaging's Guide to Emerging Technologies, July/Aug. 1997.	

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